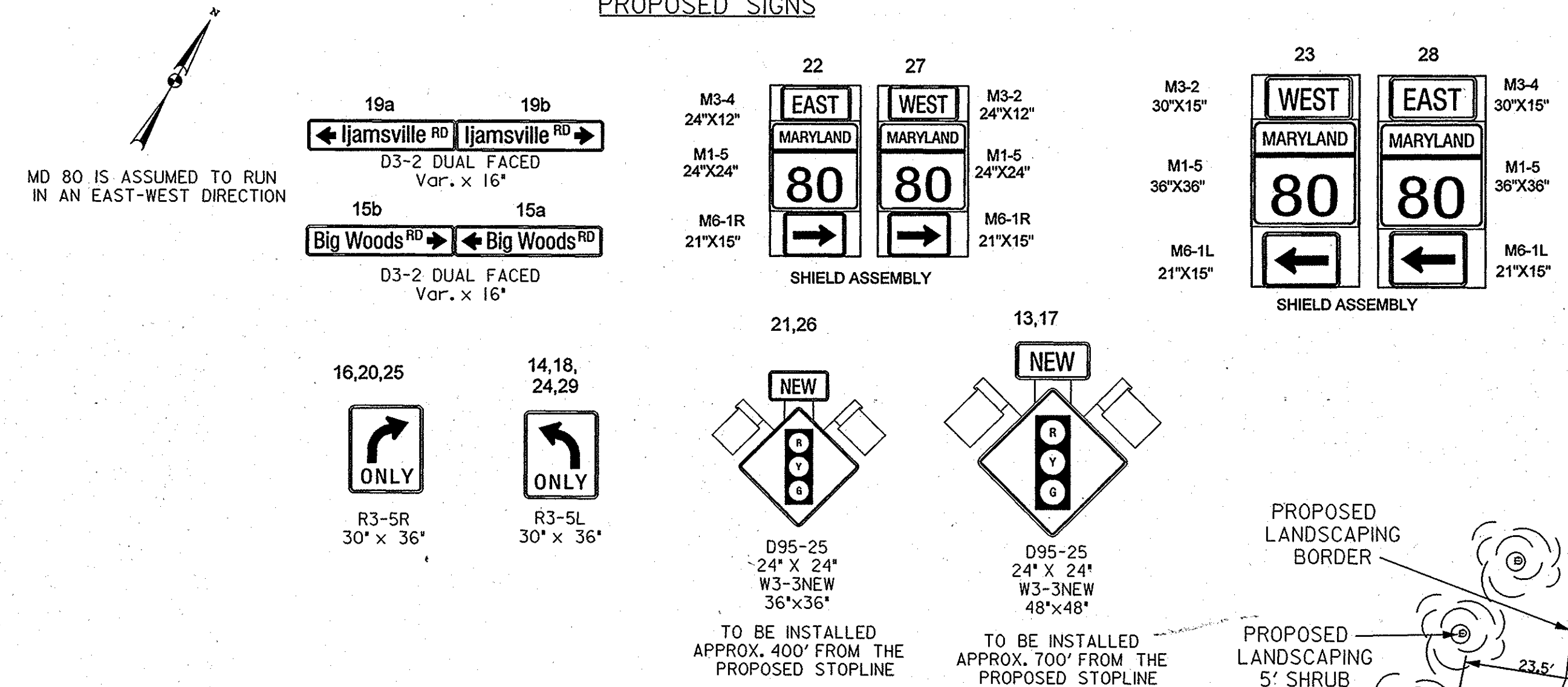
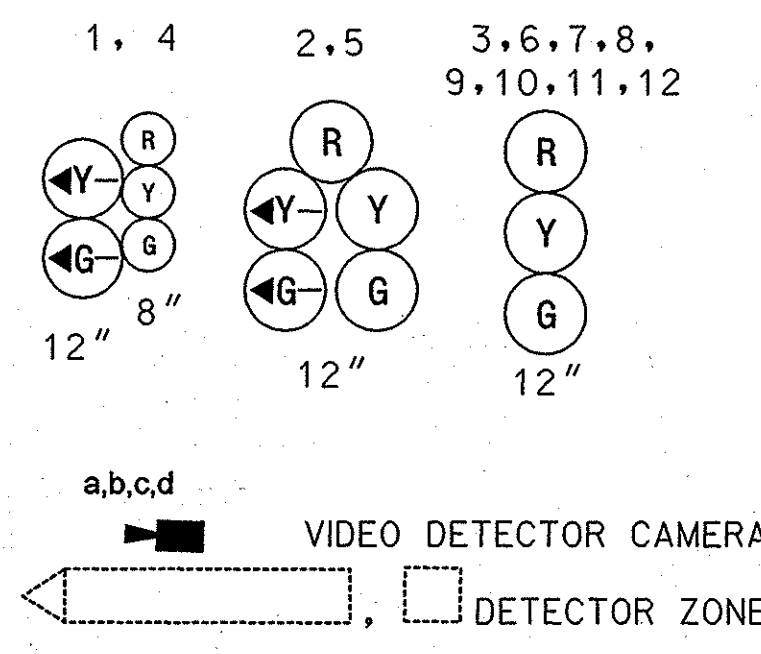


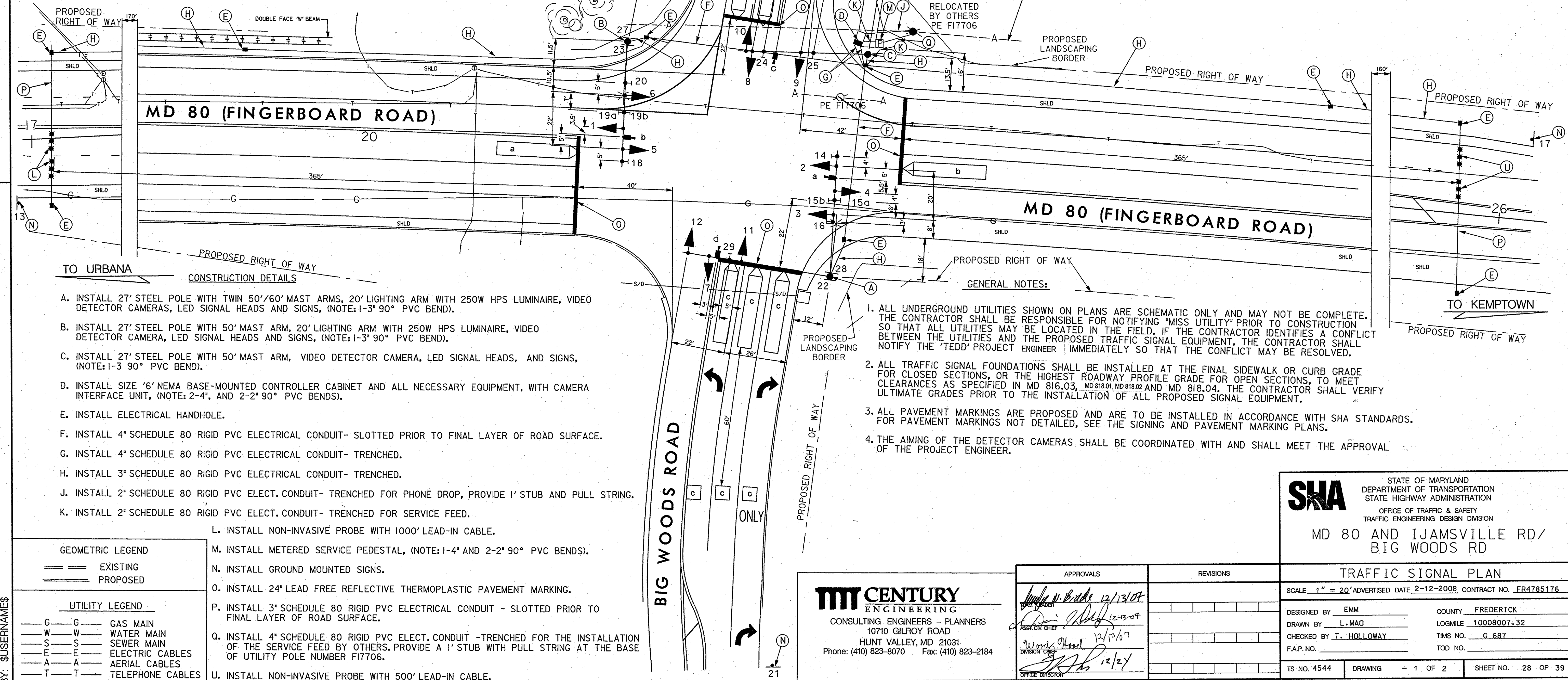
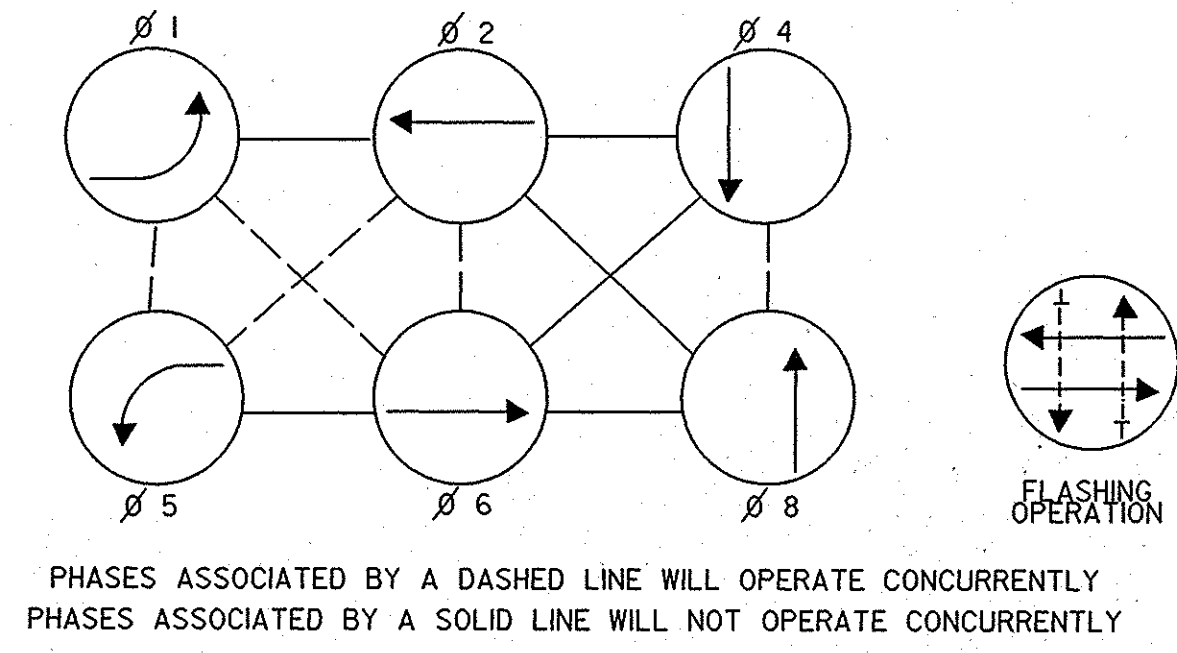
PROPOSED SIGNS



PROPOSED LED SIGNAL HEADS



NEMA PHASING



- GENERAL NOTES:**
1. ALL UNDERGROUND UTILITIES SHOWN ON PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR IDENTIFIES A CONFLICT BETWEEN THE UTILITIES AND THE PROPOSED TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE "TEDD" PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
 2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, OR THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
 3. ALL PAVEMENT MARKINGS ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS. FOR PAVEMENT MARKINGS NOT DETAILED, SEE THE SIGNING AND PAVEMENT MARKING PLANS.
 4. THE AIMING OF THE DETECTOR CAMERAS SHALL BE COORDINATED WITH AND SHALL MEET THE APPROVAL OF THE PROJECT ENGINEER.

- CONSTRUCTION DETAILS**
- INSTALL 27' STEEL POLE WITH TWIN 50'/60' MAST ARMS, 20' LIGHTING ARM WITH 250W HPS LUMINAIRE, VIDEO DETECTOR CAMERAS, LED SIGNAL HEADS AND SIGNS, (NOTE: 1-3" 90° PVC BEND).
 - INSTALL 27' STEEL POLE WITH 50' MAST ARM, 20' LIGHTING ARM WITH 250W HPS LUMINAIRE, VIDEO DETECTOR CAMERA, LED SIGNAL HEADS AND SIGNS, (NOTE: 1-3" 90° PVC BEND).
 - INSTALL 27' STEEL POLE WITH 50' MAST ARM, VIDEO DETECTOR CAMERA, LED SIGNAL HEADS, AND SIGNS, (NOTE: 1-3" 90° PVC BEND).
 - INSTALL SIZE '6' NEMA BASE-MOUNTED CONTROLLER CABINET AND ALL NECESSARY EQUIPMENT, WITH CAMERA INTERFACE UNIT, (NOTE: 2-4", AND 2-2" 90° PVC BENDS).
 - INSTALL ELECTRICAL HANDHOLE.
 - INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT- SLOTTED PRIOR TO FINAL LAYER OF ROAD SURFACE.
 - INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT- TRENCHED.
 - INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT- TRENCHED.
 - INSTALL 2" SCHEDULE 80 RIGID PVC ELECT. CONDUIT- TRENCHED FOR PHONE DROP, PROVIDE 1' STUB AND PULL STRING.
 - INSTALL 2" SCHEDULE 80 RIGID PVC ELECT. CONDUIT- TRENCHED FOR SERVICE FEED.
 - INSTALL NON-INVASIVE PROBE WITH 1000' LEAD-IN CABLE.
 - INSTALL METERED SERVICE PEDESTAL, (NOTE: 1-4" AND 2-2" 90° PVC BENDS).
 - INSTALL GROUND MOUNTED SIGNS.
 - INSTALL 24" LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
 - INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED PRIOR TO FINAL LAYER OF ROAD SURFACE.
 - INSTALL 4" SCHEDULE 80 RIGID PVC ELECT. CONDUIT -TRENCHED FOR THE INSTALLATION OF THE SERVICE FEED BY OTHERS. PROVIDE A 1' STUB WITH PULL STRING AT THE BASE OF UTILITY POLE NUMBER F17706.
 - INSTALL NON-INVASIVE PROBE WITH 500' LEAD-IN CABLE.

GEOMETRIC LEGEND

== EXISTING
== PROPOSED

UTILITY LEGEND

G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES

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APPROVALS	REVISIONS
<i>[Signature]</i> 12/13/07	
<i>[Signature]</i> 12-13-07	
<i>[Signature]</i> 12/13/07	
<i>[Signature]</i> 12/21	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 80 AND IJAMSVILLE RD/
BIG WOODS RD

TRAFFIC SIGNAL PLAN			
SCALE 1" = 20' ADVERTISED DATE 2-12-2008 CONTRACT NO. FR4785176			
DESIGNED BY EMM	COUNTY FREDERICK		
DRAWN BY L.MAO	LOGMILE 10008007.32		
CHECKED BY T. HOLLOWAY	TMS NO. G. 687		
F.A.P. NO.	TOD NO.		
TS NO. 4544	DRAWING - 1 OF 2	SHEET NO. 28 OF 39	

PLOTTED: SDATETIMS
FILE: SP15